

County of Los Angeles



Extreme Temperature Emergency Plan

July 2019

DRAFT

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EXECUTIVE SUMMARY

This contingency plan is a supporting document to the Los Angeles County (LAC) Emergency Operations Plan (EOP).

This plan describes Los Angeles County operations during extreme heat or cold temperature emergencies. Additionally, the plan provides some guidance for local governments, non-governmental organizations (NGO), faith-based organizations (FBO), and private sector partners to prepare their own extreme temperature-related emergency response planning and other related activities.

Local agencies are advised to develop their own plans and to prepare operational area agreements for support.

The plan recognizes the need for the County to:

1. Communicate and coordinate with local agencies through the Office of Emergency Management (OEM).
2. Mobilize resources and initiate actions, if necessary, in advance of local requests.
3. Support the local agency actions according to the Standardized Emergency Management System (SEMS).
4. The plan identifies specific actions to be taken by LAC in each of the stages, and a checklist to guide countywide actions.

Extreme Temperature Response Levels:

Stage	Response Level	Threat Category
Pre-Incident	0	Seasonal Preparedness Seasonal weather preparedness activities beginning October/November for cold and April/May for heat
Incident Identification	1	Increased Readiness Weather conditions predicted to meet or exceed local health threat criteria within the next 24 to 72 hours
Initial Response	2	Extreme Temperature Advisory <ul style="list-style-type: none">• <u>Heat Advisory</u>: a) Daytime Heat Index of 95°F or above predicted for 1 day in the LA basin; and/or b) Heat Index of ≥104°F for 1 day in the valleys, deserts, and mountains.• <u>Cold Advisory</u>: Predicted low daytime temperatures ≤ 32°F accompanied by night wind chill.
Limited Response	3	Extreme Temperature Alert <ul style="list-style-type: none">• <u>Heat Alert</u>: a) Heat Index ≥ 95°F predicted for 2 days in the LA basin; and/or b) Heat Index of ≥

		104°F for 2 days in the valleys, deserts, and mountains. • <u>Cold Alert</u> : Predicted low daytime temperatures ≤ 32°F accompanied by night wind chill temperatures for 3 or more consecutive days.
Incident Response	4	Extreme Weather Warning & Actions • <u>Heat Warning</u> : Heat Index ≥ 105°F predicted within the next 36 hours for 2 or more consecutive days, and nighttime temperatures ≥ 75°F. • <u>Cold Warning</u> : N/A
Recovery	5	Return to Normal Status Coordinated response no longer required

Level 0 actions are designed to ensure public agencies and their partners have reviewed and updated plans and resources ready for a response, and that the public is aware of the effects of temperature extremes and how to prepare for them. Levels 1 through 4 are activated based on the severity of the risk of extreme temperatures to persons who may be more vulnerable due to physical conditions or increased exposure (persons, such as frail, elderly adults, children, seniors, persons with certain chronic conditions or disabilities, persons experiencing homelessness, persons with access and functional needs, etc.) persons who work outdoors, and the population in general. The direct involvement of state and local agencies to protect individuals increases with the severity of the risk. Level 5 returns public agencies and their partners to normal operations.

1. INTRODUCTION

- 1.1. This plan is for immediate use and is designed to provide the County with specific roles and responsibilities related to the implementation of the plan.
- 1.2. The Los Angeles County Office of Emergency Management, in coordination with other County Departments and affected cities, will coordinate implementation of this plan using the established National Incident Management System/Standardized Emergency Management System (NIMS/SEMS), consistent with those described in the Los Angeles County Operational Area Emergency Response Plan (OAERP).
- 1.3. Response operations will be based on weather conditions as determined by the National Weather Service (NWS). The NWS uses an index that factors in air temperature and relative humidity.
- 1.4. For the purpose of this document, the term “extreme temperatures” pertains to both extreme heat and cold weather events. Furthermore, the term “Centers” refers to both warming and cooling centers operated by the County of Los Angeles.

2. MISSION

- 2.1 The mission of the Extreme Temperature Emergency Plan is to reduce the potential for loss of life and reduce the risks to the public’s health from prolonged exposure extreme hot or cold temperature emergency conditions.
- 2.2 County planning for an extreme temperature response will be led by LAC supported by designated County Departments, agencies and representatives from potentially impacted areas and jurisdictions.

3. SITUATION

- 3.1. The Los Angeles Forecast Office of the NWS issues a forecast that will trigger implementation of this Plan.
- 3.2. The State of California Warning Center issues a Notification that will trigger implementation of this Plan.
- 3.3. LAC Department of Public Health (LAC DPH) is responsible for monitoring NWS forecasts and local weather conditions to issue an Advisory, Alert, or Warning that will trigger subsequent actions of the County.
- 3.4. The Los Angeles County Health Officer (LAC DPH HO) can issue a Heat Advisory when the forecast is 95°F to 104°F for at least **one day**.
- 3.5. The LAC DPH HO can issue a Heat Alert when the forecast is 95°F to 104°F for at least **two consecutive days**.
- 3.6. The LAC DPH HO can issue an Extreme Weather Warning when an extreme heat event is expected within the next 36 hours with a heat index that is predicted to be 105°F or greater for **two or more consecutive days and**

nighttime air temperatures are expected to not fall below 75°F. The Health Officer may also declare a Public Health Emergency.

- 3.7. LAC DPH HO can issue a Cold Weather Alert when the forecast calls for three days of low daytime temperatures and nights of sub 32°F temperatures.
- 3.8. Depending upon the magnitude of the extreme temperature emergency conditions, wide areas of the County could be affected.
- 3.9. Issues of public safety may arise during periods of extreme temperature in the County, and it is appropriate for the County to be prepared to respond to such conditions using available, and if necessary, emergency resources.

4. THE THREAT

- 4.1. California's 2018 Fourth Climate Change Assessment¹ provides projected climate-related risks in the areas of temperature, precipitation, extreme storms, Santa Ana winds, sea level rise, wildfires, drought, cloud cover, humidity, and air quality for nine regions in California, including LA County. Key forecasts included:
 - 4.1.1 Continued future warming over the LA region with projected increases in average maximum temperatures, extreme temperatures (with the hottest day of the year being up to 10° F warmer for many areas), and the overall number of extremely hot days across the region.
 - 4.1.2 Increased extremes of both dry and wet weather. The wettest day of the year is expected to increase across most of the LA region with some locations experiencing increases of 25% or greater by the end of the century. Increased frequency and severity of atmospheric river events are also projected to occur.
 - 4.1.3 Increased sea level rise of roughly an additional 1-2 feet by the mid-century, and the most extreme projections predicting up to 8-10 feet of sea level rise by the end of the century.
 - 4.1.4 Increased potential for a larger number of wildfires and burned area by the mid-21st century with overall burned areas projected to increase over 60% for Santa Ana-based fires and over 75% for non-Santa Ana fires.
- 4.2. Of all the weather-related risks, heat poses the most serious health threat to the region. Utilizing extensive records from 1896-2015, California South Coast National Oceanic and Atmospheric Administration (NOAA) Climate Division scientists found that every month has experienced significant increases in monthly average, maximum, and minimum temperature across Southern California². Recent records show sustained record warmth with the top 5 historically warmest years all occurring since 2012, where 2014 was the

¹ <http://www.climateassessment.ca.gov/>

² <https://www.ncdc.noaa.gov/temp-and-precip/climatological-rankings/>

warmest, followed by 2015, 2017, 2016, and 2012 in decreasing order. NOAA found that July of 2018 was California's hottest month ever observed. Based on the growing threat, DPH will be considering additional heat adaptation, response, and mitigation actions for the department and for operational area partner consideration.

5. HEALTH CONSEQUENCES^{3,4}

- 5.1 Cold and heat can impair the human body and its physiological processes in many ways, while also interacting with pre-existing conditions and chronic diseases. Bodily functions depend on blood circulation and many chemical reactions that occur optimally at about 98.6°F. With either exposure, the primary concern is alteration of the body's core temperature beyond a healthy range.
- 5.2 As shown in the National Weather Service Heat Index Chart and Wind Chill Chart (Appendix A), relative humidity and wind can magnify the health impacts of heat and cold. Further, effects can be magnified by as much 15°F if the person is directly exposed to the elements (working outdoors, experiencing homelessness, etc.).⁵
- 5.3 Extreme heat increases stress on the heart, lungs, kidneys, and can also damage the brain and liver. It is linked to increased emergency department visits, hospitalizations, and premature mortality especially among those with underlying respiratory and cardiovascular conditions.⁶ In addition, persons with problems regulating body temperature, such as children and the elderly, are particularly vulnerable to overheating.⁷
- 5.4 In cold weather, the body can lose heat faster than it is produced, which uses up stored energy and can lead to hypothermia, defined as a core temperature below 95°F (35°C). Low temperatures cause veins and arteries to narrow and blood to become more viscous, increasing cardiac workload, and leading to many of the same cardiovascular stresses as heat.
- 5.5 High temperatures are also linked with increased air pollution, as high levels of ozone are formed rapidly in strong sunlight and there is an increased concentration of fine particles in hot, still air conditions. Ozone pollution reduces lung function and inflames airways, leading to increased emergency department visits, hospitalizations, and premature mortality—especially among people with respiratory illnesses, young children, and the elderly.⁸ Exposure to small particles can affect both lungs and heart

³ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4629728/>

⁴ http://ucanr.edu/News/Heat/How_heat_affects_the_body/

⁵ <https://www.weather.gov/safety/heat-ww>

⁶ Knowlton K, Rotkin-Ellman M, King G, Margolis HG, Smith D, Solomon G, et al. The 2006 California heat wave: impacts on hospitalizations and emergency department visits. *Environ Health Perspect.* 2009;117:61–7

⁷ <https://publications.parliament.uk/pa/cm201719/cmselect/cmenvaud/826/826.pdf>

⁸ Bell ML, McDermott A, Seger SL, Samet JM, Dominici F. Ozone and short-term mortality in 95 US urban communities, 1987–2000. *JAMA.* 2004;292:2372–8

function, resulting in: premature death in people with heart or lung disease, heart attacks, irregular heartbeat, aggravated asthma, decreased lung function, increased irritation of the airways, and coughing or difficulty breathing.⁹

5.6 Heat can also cause direct heat-related illness such as heat cramps, heat exhaustion, and heatstroke.

5.6.1 Heat Cramps

- Symptoms include muscular pains and spasms, usually in the stomach, arms or leg muscles.
- Heat cramps usually result from heavy exertion, such as exercise, during extreme heat.
- Although heat cramps are the least severe of all heat-related problems, they are usually the first signal that the body is having trouble coping with hot temperatures.
- First Aid: Heat cramps should be treated immediately by adequate rest in a cool area and drinking water or a sports drink until symptoms resolve.
- Seek medical attention if pain is severe or nausea occurs.

5.6.2 Heat Exhaustion

- Symptoms include heavy sweating, pale and clammy moist skin, extreme weakness or fatigue, muscle cramps, headache, dizziness or confusion, nausea or vomiting, fast and shallow breathing, or fainting.
- First Aid: Heat exhaustion should be treated immediately with by moving the person to a cool place, cooling their skin by spraying or sponging them with cool water, fanning them, placing cold packs on their armpits or neck, and getting them to lie down, raise their feet 12 inches, and sip water.
- If left untreated, victims may go into heat stroke.
- Seek medical attention if the person does not respond to the above, basic treatment.

5.6.3 Heat Stroke

- Symptoms include flushed, hot, moist skin or a lack of sweat, high body temperature (above 103°F), confusion or dizziness, possible unconsciousness, throbbing headache, and a rapid or strong pulse.
- Heat stroke is the most severe heat-related illness and occurs when a person's temperature control system, which produces sweat, stops working.

⁹ <https://www.epa.gov/pm-pollution/health-and-environmental-effects-particulate-matter-pm>

- Heat stroke may lead to brain damage and death.
- First Aid: Call 911 and seek immediate medical attention while applying aforementioned basic treatment in the meantime.

6. ASSUMPTIONS

- 6.1. Los Angeles County may not generally face as extreme weather conditions as other parts of the nation or the world. However, drastic or severe changes from baseline temperatures or weather conditions deviating from historic patterns are expected to have health consequences for the people of LAC, which necessitates these planning efforts. In addition, extreme heat is projected to be a growing problem that will pose considerable health risks to LAC communities, especially children, the elderly, and those with certain chronic diseases.
- 6.2. Based on worst case planning, the following could occur depending upon the size and scope of the event:
 - 6.2.1. The Operational Area Emergency Operations Center (OAEOC) could be activated if the event were significant enough to trigger an Extreme Weather Warning condition of potentially dangerous proportion.
 - 6.2.2. Numerous densely populated communities may be impacted.
 - 6.2.3. Large-scale movement of at-risk populations may be necessary, causing otherwise non-impacted jurisdictions to become “host” to displaced populations.
 - 6.2.4. Power outages may occur, and communication, water and sewage systems may be disrupted. Food and water may be contaminated. Persons dependent on certain electrically powered medical equipment may need support services or supplies.

7. FUNDING

- 7.1. A Level 4 Warning will trigger the opening of centers beyond normal duty hours.
- 7.2. A Level 4 Warning can also trigger the opening of state level shelters, primarily armories. These actions will be coordinated with the State of California, Regional Emergency Operations Center (REOC).
- 7.3. All Departments and OA response partners should be aware that no on-going funding provision currently exists in LAC for extreme temperature responses. At the time of declaration, the Board of Supervisors may be approached to consider any resource gaps, including necessary funding.

- 7.4. Any consideration for a level 4 declaration must be made as a consensus decision between the involved Departments, County Office of Emergency Management, and the Chief Executive Office.

8. COUNTY CONCEPT OF OPERATIONS

8.1 Facility Requirements

- 8.1.1 A Cooling/Warming Center must be ADA compliant.
- 8.1.2 Cooling Centers must provide seating in a cool, safe, air-conditioned room with accommodations to serve approximately 50 individuals in addition to normal program activity.
- 8.1.3 A Center must be easily accessible and located on or near a major street with access to public transit lines.
- 8.1.4 A Center must provide clean restrooms located within or directly adjacent to the facility.

8.2 Operational Requirements

- 8.2.1 Center activation will occur upon notification of an Extreme Weather Notification issued by LAC DPH and will continue, during its normal operating hours, for the duration of the Notification.
- 8.2.2 Center extended hours and provision of service on weekends would be welcomed but is not required.
- 8.2.3 Centers must accept all referrals and/or walk-ins regardless of residence.
- 8.2.4 Centers must offer drinking water to all individuals seeking refuge.
- 8.2.5 Centers must provide daily statistics of individuals that access services. Reports must be provided to the Office of Emergency Management (OEM) at least weekly or at time intervals agreed upon by OEM and the respective Center.

- 8.3 The County operations described in this plan will be activated at the direction of the OEM Director. Local operations will be activated according to local plans, policies and procedures.

- 8.4 This plan can be activated at any of the six response levels as described in section 9. The specific actions to be taken by the County are described in the County/Agency Activation Activities/Checklists. In addition to the actions described, the County may, if necessary, provide supplemental support to local activities during any of the six levels of an extreme heat or cold situation.

- 8.5 All County actions will be coordinated with the affected local governments through the Operational Area Emergency Operations Center (OA EOC) and the local coordination links used by the other key County Departments. It is essential that the affected local agencies and all the key County Departments are informed of all County actions that will be taken during Level 2 through Level 4 of extreme temperature events. It is equally important for the County

to be apprised of local actions. This communication is facilitated through the NIMS/SEMS functions, the activated OA EOC, Operational Area Response and Recovery System (OARRS) reports (on-line), and by phone calls to constituents.

9. COUNTY ACTIVATION RESPONSE LEVELS

Extreme Heat/Cold emergency response will be carried out in consultation and coordination with the OES Southern Region and Operational Areas (OA) impacted using the following Levels as guidelines to determine the most appropriate level of state response:

9.1. Level 0: Seasonal Preparedness

9.1.1 Level 0 actions may be activated during the months of October to November for cold/freeze weather and April to May for hot weather. These actions are designed to ensure that public agencies and their partners have updated plans and resources to respond and that the public is aware of the effects of extreme heat/cold and how to prepare for it.

9.1.2 See Section 13 for detailed actions.

9.2 Level 1: Increased Readiness

9.2.1 Level 1 actions are taken as a result of credible predictions by the NWS of prolonged cold/freezing temperatures, extreme heat forecasts, and the potential for power outages due to colder than normal weather conditions or excessive use of power in hotter weather.

9.2.2 The coordination among County Departments increases in this Level, as well as specific contact with the local agencies anticipating the activation of Level 2 or Level 3 portions of this plan.

9.2.3 Actions in this Level are designed to begin the overall coordination effort of the County and prepare for the possibility of a response effort.

9.2.4 See Section 14 for a complete list of Level 1 actions.

9.3 Level 2: Extreme Temperature Advisory

9.3.1 Level 2 actions will be initiated when the Health Officer deems it necessary to issue an ***Extreme Temperature Advisory*** based on the opinion of DPH medical staff and a credible NWS forecast of one or more of the following:

- A Heat Index Temperature of 95°F or above is predicted for 1 day in the Los Angeles Basin, and/or
- A Heat Index Temperature of 104°F and above for 1 day in the Valleys, Deserts, and Mountains.

9.3.2 See Section 15 for complete list of Level 2 actions.

9.4 Level 3: Extreme Temperature Alert

9.4.1 Level 3 actions will be initiated when the Health Officer deems it necessary to issue an **Extreme Temperature (Heat or Cold) Alert** based on the medical opinion of Public Health staff and a credible National Weather Service forecast of one or more of the following:

- A Heat Index Temperature of 95°F or above is predicted for 2 days in the Los Angeles Basin, and/or
- A Heat Index Temperature of 104°F and above is predicted for 2 days in the Valleys, Deserts, and Mountains.
- Cold/freezing weather with credible weather forecasts of potentially extreme cold or freezing weather with weather conditions predicted to include low daytime temperatures accompanied by night wind chill temperatures of 32°F or less.
- National Weather Service Wind Chill Advisories of cold/freeze for 3 consecutive days or more.

9.4.2 Additional consideration will be made when conditions pose a severe threat and one or more of the following exists:

9.4.2.1 Abnormal animal mortality rates associated with extreme temperatures.

9.4.2.2 Extreme heat or cold accompanied by electrical blackouts, rotating blackouts, or power outages (e.g., CALISO Stage 3 Electrical Emergency during period of cold weather).

9.4.2.3 When the Southern California Gas Company issues a "SoCal Gas Advisory" in anticipation of more demand for natural gas than supply on hand.

9.4.2.4 Level 3 actions are designed to ensure services are provided to assist constituents during extreme temperature conditions. The County will also coordinate with water and power agencies and the State's Regional Emergency Operations Center.

9.4.2.5 The State of California may also issue an Alert during Level 3 operations. It is incumbent on the Health Officer to assess the impact of the weather on the jurisdiction.

9.4.3 See Section 16 for the complete list of Level 3 actions.

9.5 Level 4: Extreme Weather Warning

9.5.1 Level 4 actions are taken when the Health Officer deems it necessary to issue an **Extreme Temperature (Heat or Cold) Warning** based on the opinion of DPH medical staff and a credible NWS forecast of one of the following:

- The maximum heat index temperature is expected to be 105°F or higher for at least 2 days and night time air temperatures will not drop below 75°.
- Cold/freezing weather with credible weather forecasts of potentially extreme cold or freezing weather with weather conditions predicted to reach low daytime temperatures accompanied by night temperatures of 32°F or less for 3 consecutive days.

9.5.2 Additional consideration will be made when conditions pose a severe threat and one or more of the following exists:

9.5.2.1 The City of Los Angeles or two other OA EOCs have been activated due to extreme weather conditions.

9.5.2.2 The NWS issues an advisory which details weather conditions that could endanger human life. These are defined as weather forecasts of extremely cold/freezing weather for more than three consecutive days.

9.5.1.4 Abnormal animal mortality rates due to extreme temperature conditions.

9.5.1.5 Abnormal human medical emergencies and mortality due to extreme temperature conditions.

9.5.1.6 CALISO Stage 3 electrical emergency and/or extended power outages expected during extreme heat or cold weather.

9.5.1.7 A Southern California Gas “SoCal Gas Alert” has been issued for natural gas supply curtailment, which could affect power generation in the county.

9.5.1.8 When the cumulative effect of such factors as described above results in a health emergency, as determined by the Public Health Officer.

9.5.1.9 Level 4 efforts include urgent and comprehensive actions to complement and support local actions during the most severe cold/freeze or heat conditions. The actions expand the Level 3 activities and include additional efforts.

9.5.1.10 The State of California may also issue an emergency proclamation during Level 4 operations. It is incumbent on the Health Officer to assess the impact of the weather on the jurisdiction.

9.5.3 See Section 17 for the complete list of Level 4 actions

9.6 Level 5: Recovery

9.6.1 Level 5 actions are taken when conditions no longer pose a threat and coordinated response is no longer required. It results in a return to normal operational status.

9.6.2 See Section 18 for the complete list of Level 5 actions

10. KEY RESPONSIBILITIES

- 10.1 LAC DPH will direct implementation of the plan in coordination with other County Departments and the affected cities by issuing the aforementioned notifications.
- 10.2 Assigned Departments and local agencies will work under the umbrella of the OA using NIMS/SEMS. In order to successfully accomplish the mission, different County Departments, Cities, and other Operational Areas will need to work cooperatively.
- 10.3 Multi-agency, multi-disciplinary coordination will occur in response to an Extreme Weather Warning notification.
- 10.4 LAC DPH will reference both County and State Extreme Temperature/Adverse Weather Plans when this plan is implemented.
- 10.5 LAC DPH Health Officer in consultation with other emergency management agencies and the Board of Supervisors will issue a Level 5 proclamation when deemed appropriate.

11. ROLES AND RESPONSIBILITIES OF COUNTY DEPARTMENTS

11.1 Departments will:

- 11.1.1 Issue notification. These notifications will trigger actions from supporting agencies.
- 11.1.2 Issue health information. This information will be used to educate and inform the public on steps to mitigate or to respond to extreme temperature-related incidents.
- 11.1.3 Establish and manage centers.
- 11.1.4 Provide a single source contact for inquiries regarding extreme temperature related incidents or actions.
- 11.1.5 Coordinate the activation or implementation of the County Extreme Temperature Plan with the Governor's Office of Emergency Services.
- 11.1.6 Provide updates, as necessary, to the Director of Emergency Operations during a CEOC activation.
- 11.1.7 Determine the roles of personnel for their department.
- 11.1.8 Develop Extreme Temperature Operational Plans for their specific department.

11.2 Specific Roles:

11.2.1 The Office of Emergency Management will be the coordinating agency for cities requesting County support.

11.3 Individual department responsibilities for specific actions during activation are described in Sections 13-18.

12. MACRO ACTIVITY CHART

Below is a macro view of anticipated and planned sequence of events surrounding extreme temperature conditions:

Activity	Leads to	Responsible Department
Monitoring of weather conditions	Possible release of notification	Public Health
Issuance of Advisory, Alert or Warning	Activation of response elements of the plan	Public Health
Activation of response elements	Establishment of Extreme Temperature Warming/Cooling Centers	WDACS, DPSS. PARKS and REC, Public Library, OEM, city agencies
Activation of response elements	Integration with city or NGO response efforts	All partners partner
	Activation of SEMS reporting structure	All Partners
	Establish a single point of contact for City, County, and State inquiries	WDACS

13. **GUIDANCE FOR LEVEL 0 – SEASONAL PREPAREDNESS**

Local Activity	Responsible Dept./Agency	Support Agencies
Planning		
<ul style="list-style-type: none"> Activate Advisory Group consisting of those agencies/departments, private, volunteer and service organizations, food banks, faith-based groups and immigrant groups to identify the vulnerable populations and develop a strategy for notification and emergency actions to include establishing extreme temperature centers and transportation. 	OEM	
<ul style="list-style-type: none"> Confirm local activation levels of an extreme temperature plan utilizing the response levels indicated in this document and local weather conditions and climatic variations. 	OEM	
<ul style="list-style-type: none"> Complete request for U.S. Health and Human Services Assistant Secretary for Preparedness and Response emPOWER Program data for Medicare beneficiaries dependent on life-saving medical equipment, devices, and in-home health and hospice services. 	DPH	
<ul style="list-style-type: none"> Update listing of equipment, device, and service providers and upload into automated mass notification system for emergency advisories, alerting or warnings. 	DPH	
<ul style="list-style-type: none"> Develop a plan for coordinating in-home visits to vulnerable populations with volunteer and service groups. 	DPSS	
Awareness		
<ul style="list-style-type: none"> Identify volunteer and service organizations, private sector, food banks, faith-based organizations, immigrant groups, medical and care facilities, school representatives, law enforcement, fire personnel and other representatives to determine the location of vulnerable populations and determine needs. Ensure DAFN requirements are met for all vulnerable populations. 	<ul style="list-style-type: none"> • DPSS • OEM • Local Jurisdictions 	<ul style="list-style-type: none"> • ENLA • LAHSA
<ul style="list-style-type: none"> Coordinate with state programs serving people with disabilities to ensure needs are addressed. 	<ul style="list-style-type: none"> • ENLA • DPSS 	
<ul style="list-style-type: none"> Local agencies and Jurisdictions collaborate to identify any anticipated needs or problems. 	Extreme Weather Task Force	
<ul style="list-style-type: none"> Develop public safety materials that include posters, flyers, and public media announcements. Announcements must include information for people with disabilities regarding how to obtain paratransit/transportation to be used in emergency/disaster incident. 	Extreme Weather Task Force	

Local Activity	Responsible Dept./Agency	Support Agencies
<ul style="list-style-type: none"> Establish processes to rapidly disseminate extreme heat/cold emergency advice to vulnerable populations in a timely manner through service groups, food banks, CERT, disability organizations, immigrant groups, care providers, medical and health facilities, workplaces, schools, public facilities and private industries. Ensure program compliance with accessibility requirements for persons with hearing impairments via captioning or sign language interpretation of all broadcasted emergency messages. 	<ul style="list-style-type: none"> DPH Cities and unincorporated areas 	<ul style="list-style-type: none"> 211 LA county LAHSA ENLA
Extreme Temperature Centers		
<ul style="list-style-type: none"> Coordinate with local utilities to identify public buildings best suited for centers that would not be subject to rotating blackouts. 	<ul style="list-style-type: none"> ISD OEM 	
<ul style="list-style-type: none"> Develop public health criteria for warming/ cooling center facilities, such as accessibility to restrooms, handwashing, proximity to public transportation, etc. Also consider accommodations for pets and possible 24-hour operations, as necessary. 	DPH	
<ul style="list-style-type: none"> Develop and implement a plan that identifies potential extreme temperature centers that are ADA compliant or with appropriate measures taken (i.e., accessible portable restroom) that can be useable by people with disabilities. 	WDACS	
<ul style="list-style-type: none"> Ensure that the facilities identified extreme temperature centers will be available. 	Extreme Weather Task Force	
<ul style="list-style-type: none"> Confirm the points of contact for extreme temperature center operations. 	Extreme Weather Task Force	
Transportation		
<ul style="list-style-type: none"> Develop a transportation working group consisting of public, private, volunteer, and service organizations to develop a transportation component to procedures ensuring vulnerable populations are provided transportation to extreme temperature centers, including wheelchair accessible transportation. 	<ul style="list-style-type: none"> Extreme Weather Task Force ISD 	<ul style="list-style-type: none"> ENLA LAHSA
<ul style="list-style-type: none"> Identify ways for people with disabilities to notify appropriate authorities when transportation to extreme temperature centers is needed. 	Jurisdictions	<ul style="list-style-type: none"> 211 LA County Advisory group

14. **GUIDANCE FOR LEVEL 1 – INCREASED READINESS**

Local Activity	Responsible Dept./Agency	Support Agencies
Awareness		
<ul style="list-style-type: none"> Designate an Extreme Temperature Coordinator and alternate for each identified agency to receive notification of activation to provide services as outlined in this plan. 	<ul style="list-style-type: none"> All Agencies Jurisdictions 	
<ul style="list-style-type: none"> All agencies will report the name of the designated coordinator to OEM. 	<ul style="list-style-type: none"> All Agencies Jurisdictions 	
<ul style="list-style-type: none"> Volunteer and service organizations, private sector, faith-based organizations, medical and care facilities, school representatives, law enforcement and fire personnel are put on notice to be prepared to contact vulnerable populations. 	Extreme Weather Task Force	ENLA
<ul style="list-style-type: none"> Determine whether or not to issue an Extreme Temperature Notification based on conditions or projected conditions. 	DPH	
<ul style="list-style-type: none"> Local agencies and jurisdictions collaborate to identify any unanticipated needs or problems. 	Extreme Weather Task Force	Local Agencies and Jurisdictions
Extreme Temperature Centers		
<ul style="list-style-type: none"> Integrate center points of contact into an efficient informational flow, mirroring a SEMS/NIMS structure. 	All Departments	
<ul style="list-style-type: none"> Identify the services provided at the warming/cooling facilities keeping in mind accommodations for people with disabilities, disbursement of water, service animals and domestic pets, and possible 24-hour operations. 	Extreme Weather Task Force	
Transportation		
<ul style="list-style-type: none"> Notify private, volunteer, and service organizations involved in the transportation component. Implement procedures to ensure availability of transport for vulnerable populations to extreme temperature centers, including wheelchair accessible transportation. 	<ul style="list-style-type: none"> ISD DPSS Extreme Weather Task Force 	
<ul style="list-style-type: none"> Ensure that coordination procedures, including memoranda of understanding, are in place to ensure accessible transportation, including wheelchair accessible transportation, is available for disabled persons. 	Extreme Weather Task Force	

15. **GUIDANCE FOR LEVEL 2 – EXTREME TEMPERATURE ADVISORY**

Local Activity	Responsible Dept./Agency	Support Agencies
Extreme Weather Notification		
<ul style="list-style-type: none"> LAC DPH issues Extreme Temperature Advisory and notifies OEM of pending release. 	DPH	
<ul style="list-style-type: none"> Alert neighborhood volunteer groups, volunteer and service groups, CERT, disability organizations, social services agencies, medical facilities and care homes. 	<ul style="list-style-type: none"> DPH DPSS Jurisdictions 	ENLA
<ul style="list-style-type: none"> Volunteer and service organizations, private sector, faith-based organizations, medical and care facilities, school representatives, law enforcement and fire personnel are put on notice to be prepared to contact vulnerable populations. 	Extreme Weather Task Force	ENLA
<ul style="list-style-type: none"> Local agencies and jurisdictions collaborate to identify any unanticipated needs or problems. 	Extreme Weather Task Force	Local Agencies and Jurisdictions
<ul style="list-style-type: none"> Add Cool Spot language (see Appendix D) and information to County and City web and public information platforms. 		
Extreme Temperature Centers		
<ul style="list-style-type: none"> Integrate center points of contact into an efficient informational flow, mirroring a SEMS/NIMS structure. 	All Departments	
<ul style="list-style-type: none"> Identify the services provided at the warming facilities keeping in mind accommodations for people with disabilities, disbursement of water, service animals and domestic pets, and possible 24-hour operations. 	Extreme Weather Task Force	
Transportation		
<ul style="list-style-type: none"> Notify private, volunteer, and service organizations involved in the transportation component. Implement procedures to ensure availability of transport for vulnerable populations to extreme temperature centers, including wheelchair accessible transportation. 	<ul style="list-style-type: none"> ISD DPSS Extreme Weather Task Force 	
<ul style="list-style-type: none"> Ensure that coordination procedures, including memoranda of understanding, are in place to ensure accessible transportation, including wheelchair accessible transportation, is available for disabled persons. 	Extreme Weather Task Force	

16. GUIDANCE FOR LEVEL 3 – EXTREME TEMPERATURE ALERT

Activity	Responsible Dept./Agency	Support Agencies
Extreme Weather Notification		
<ul style="list-style-type: none"> LAC DPH issues Extreme Temperature Alert and notifies OEM of pending release. 	LACO DPH	
<ul style="list-style-type: none"> Forward Extreme Temperature Alert related notifications to CA State Warning Center (CSWC) 	OEM	
<ul style="list-style-type: none"> Local emergency services Public Information Officer (PIO) notifies OES Regional Administrator who contacts State OES PIO to distribute to the impacted OAs extreme temperature emergency pre-scripted educational materials specific to the event. 	<ul style="list-style-type: none"> OEM DPH 	
<ul style="list-style-type: none"> Distribute information specific to the extreme temperature event to local jurisdictions. 	OEM	
<ul style="list-style-type: none"> Alert neighborhood volunteer groups, volunteer and service groups, CERT, disability organizations, social services agencies, medical facilities and care homes. 	<ul style="list-style-type: none"> DPH DPSS Jurisdictions 	ENLA
<ul style="list-style-type: none"> Alert emPOWER equipment, device, and service providers via Everbridge system. 	DPH	
<ul style="list-style-type: none"> Notify paratransit or other local transportation of the potential need to transport individuals to extreme temperature centers. 	ISD Jurisdictions	
<ul style="list-style-type: none"> Utilize extreme temperature center website to notify the public of locations and hours of operation. 		211 LA County
<ul style="list-style-type: none"> Ensure all County employees review and update their home emergency plans. 	All departments	
Extreme Temperature Response		
<ul style="list-style-type: none"> Possible activation of the EOC to the extent necessary. 	OEM	
<ul style="list-style-type: none"> The County and cities should begin activating extreme temperature centers and work with volunteer groups to identify additional extreme temperature centers that may be needed. 		Cities
<ul style="list-style-type: none"> Enter extreme temperature center information into the Extreme Temperature Emergency Web Portal on the State OES website for public availability. 	OEM	
<ul style="list-style-type: none"> Activate Extreme Temperature Plan. 	Extreme Weather Task Force	

<ul style="list-style-type: none"> Release pre-scripted extreme temperature protective measures to all media sources and remind them of the need to broadcast in accessible formats. 	OEM	
<ul style="list-style-type: none"> Activate emergency extreme temperature telephone hotlines. 		211 LA County
<ul style="list-style-type: none"> Activate extreme temperature centers and direct public buildings to provide extreme temperature services to those in need as appropriate. 	Extreme Weather Task Force	
<ul style="list-style-type: none"> Identify ADA compliant centers that can accommodate persons with disabilities; coordinate planning with local transportation providers. 		
<ul style="list-style-type: none"> Activate transportation resources, including para-transit and private accessible transit services to assist those without transportation, including service animals, to get to and from warming or cooling centers. 	<ul style="list-style-type: none"> ISD Local Jurisdictions 	
<ul style="list-style-type: none"> Coordinate and brief all emergency responders on actions to be undertaken and responsible departments/agencies. 	OEM via the EMC	
<ul style="list-style-type: none"> Schedule regular reporting and monitoring procedures with extreme temperature centers, volunteer and service organizations, utilities, public safety, medical facilities. 	Extreme Weather Task Force	
<ul style="list-style-type: none"> Consider establishing a Joint Information Center. 	OEM DPH WDACS	
<ul style="list-style-type: none"> Request, as required, mutual aid as needed through the State's Regional Emergency Operations Center (REOC). 	OEM OES	
<ul style="list-style-type: none"> Establish regular public official briefings to include weather updates and actions taken and planned. 	OEM JIC	
<ul style="list-style-type: none"> Monitor power usage. 	ISD	
<ul style="list-style-type: none"> Implement a method to track extreme temperature emergency related deaths and medical emergencies associated with the extreme temperature emergency. 	Coroner DHS DPH	

17. GUIDANCE FOR LEVEL 4 – EXTREME TEMPERATURE WARNING

- 18.1 Level 4 is considered the most extreme of extreme temperature notifications.
- 18.2 The Los Angeles County, Department of Public Health, Health Officer may proclaim a health emergency during this type of event.
- 18.3 If an emergency is proclaimed by the Health Officer, it must be approved by the Board of Supervisors.
- 18.4 Such a proclamation, once approved by the Board of Supervisors, may allow Departments to consider extending hours of operations and the additional expenditures of resources.
- 18.5 The Board of Supervisors may make available additional funds to ensure the services of the County are available.
- 18.6 As County resources are depleted, the County will generate a request to the state for state resources.
- 18.7 Departments may extend operations without Board of Supervisors funds, utilizing existing operating budgets.
- 18.8 Departments are encouraged to closely read any proclamations issued in Level 4 to ensure extended hours are authorized.
- 18.9 Local Jurisdictions are encouraged to extend operating hours to mirror those of the county departments.

Activity	Responsible Dept./Agency	Support Agencies
Extreme Temperature Notification		
<ul style="list-style-type: none"> Actions related to notifications shall occur, or will have occurred, as in the Extreme Temperature Alert Level 		
Extreme Temperature Response		
<ul style="list-style-type: none"> LA County Health Officer issues an Extreme Weather Warning 	LA CO DPH HO	
<ul style="list-style-type: none"> Activate EOC 	OEM	
<ul style="list-style-type: none"> Proclaim an emergency (local and/or public health) as appropriate. 	<ul style="list-style-type: none"> OEM DPH 	
<ul style="list-style-type: none"> Provide for additional funding to allow Departments ability to extend hours or provide additional services 	<ul style="list-style-type: none"> Board of Supervisors CEO 	
<ul style="list-style-type: none"> When additional funding is no longer available, the County will generate a request to the state for additional state funding and/or resources. 	OEM	
<ul style="list-style-type: none"> Prioritize public offices that should remain open and close others to conserve energy. 	Task Force	
<ul style="list-style-type: none"> Monitor extreme temperature center facilities for number of participants, disability-related needs, support issues, and power availability. 	<ul style="list-style-type: none"> WDACS DPSS Task Force 	

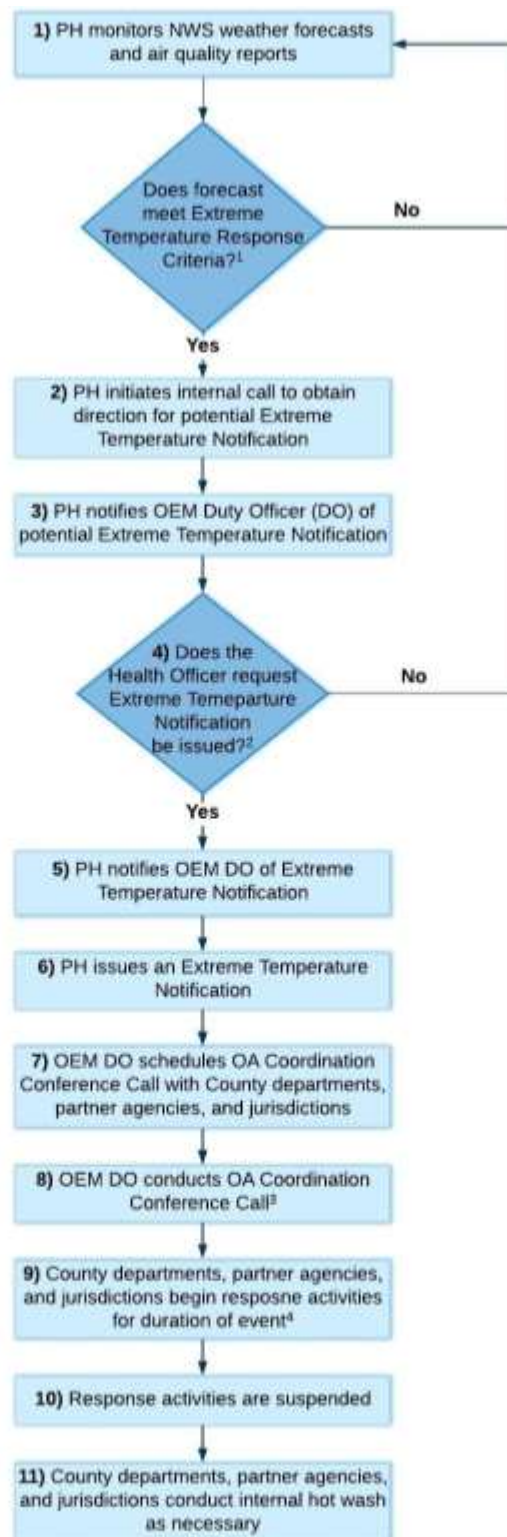
Activity	Responsible Dept./Agency	Support Agencies
<ul style="list-style-type: none"> Monitor and determine need for more extreme temperature centers and resource needs. 	<ul style="list-style-type: none"> DPSS ARC DPH 	
<ul style="list-style-type: none"> Identify any regulatory or ordinance issues that may need to be suspended. 	<ul style="list-style-type: none"> OEM CEO DPH DHS 	
<ul style="list-style-type: none"> Notify ambulance providers and hospitals to expect and prepare for surge in extreme temperature emergency related illnesses. 	DHS	
<ul style="list-style-type: none"> Request state activation of state extreme temperature centers (fairgrounds, etc.) in the vicinity as needed. 	OEM	
<ul style="list-style-type: none"> Issue targeted extreme temperature emergency advisories to vulnerable populations through all sources. 	<ul style="list-style-type: none"> NWS DPH OEM 	
<ul style="list-style-type: none"> Alert emPOWER equipment, device, and service providers via Everbridge system, 	<ul style="list-style-type: none"> NWS DPH OEM 	
<ul style="list-style-type: none"> Continuously review and update emergency resource inventories. 	ISD	
<ul style="list-style-type: none"> Survey emergency resources and facilities to determine replenishment needs. 	ISD	
<ul style="list-style-type: none"> Ensure pet and animal needs are being addressed through special facilities or pet accommodations at extreme temperature centers. 	<ul style="list-style-type: none"> DAC&C Extreme Weather Task Force 	
<ul style="list-style-type: none"> Activate macro County response plans as needed: <ul style="list-style-type: none"> Sheltering Plan Transportation Plan Community Outreach Plans Disaster Assessment and Response Teams (DART) 	Extreme Weather Task Force	
<ul style="list-style-type: none"> Establish regular media releases. 	<ul style="list-style-type: none"> OEM DPH JIC 	
<ul style="list-style-type: none"> Track extreme temperature emergency related fatalities and medical emergencies. 	<ul style="list-style-type: none"> Coroner DHS DPH 	
<ul style="list-style-type: none"> Coordinate activities with the OA and neighboring jurisdictions. OA will coordinate with the Red Cross to 	<ul style="list-style-type: none"> OEM 	

Activity	Responsible Dept./Agency	Support Agencies
provide information updates, resource assessments and mutual aid requests.	• OES	
• Establish regular briefings with the National Weather Service.	OEM	
• Ensure all fleet vehicles' fuel tanks have ample fuel in the event of power failure.	Extreme Weather Task Force	
• Ensure County employees have updated extreme temperature emergency materials and methods for checking on family members.	All County Departments	
• Maintain regular reports to the OA or REOC.	DHS OEM DPH	
• Gather data on damages; submit IDE; prepare to participate in PDA, if appropriate; establish LACs, if appropriate, or provide staff to Service Center, if activated.	ISD OEM CEO	

18. **GUIDANCE FOR LEVEL 5—RETURN TO NORMAL STATE**

Activity	Responsible Dept./Agency	Support Agencies
Recovery		
• Standard recovery actions apply.		
• Appoint Countywide Recovery Officer - Will develop After Action Report and issue Corrective Action Plan	OEM	

19. RESPONSE OPERATIONS



¹ Criteria are outlined on pg. ii and described in-depth in Section 9 (pg. 7)

² Health Officer monitors event and may take other actions as needed

³ Conference call will utilize Extreme Temperature Notification Checklist (see Appendix B) as agenda

⁴ May include City-, County-, and State-level responses. City and County response activities may include activation of extreme temperature centers along with partner agencies within impacted areas. County activities may also include implementation of macro County response plans based on severity of conditions. State response activities will be coordinated by Regional Emergency Operations Center (REOC) and can include opening of state-level shelters (primarily armories). For detailed description of response activities, refer to Guidelines in Sections 15-17

20. OVERVIEW OF THE INITIAL NOTIFICATION PROCESS

1.	Public Health (PH) monitors weather forecasts and air quality reports.
2.	If Extreme Temperature Response Criteria are met, PH convenes an internal call to obtain direction for potential Extreme Temperature Notification based on threat category by conferring with PH staff: <ul style="list-style-type: none">• Department Emergency Coordinator• Director of Communications and Public Affairs• Toxics Epidemiology Director or designee• Health Officer
3.	PH notifies the OEM Duty Officer (DO) of potential event Extreme Temperature Notification.
4.	PH Health Officer requests an Extreme Temperature Advisory, Alert, or Warning Notification be issued. (Note: Only Health Officer or designee may issue the Extreme Temperature Notification.)
5.	PH notifies OEM DO of Extreme Temperature Notification
6.	PH issues an Extreme Temperature Notification
7.	OEM schedules an OA Coordination Conference Call with County departments, partner agencies, and jurisdictions via email or telephone with: <ul style="list-style-type: none">• Conference call number and access code• Designated call in time.
8.	OEM convenes OA Coordination Conference Call with County departments, partner agencies, and jurisdictions. <ul style="list-style-type: none">• OEM utilizes the Extreme Temperature Notification Checklist (Appendix B) as the call agenda.• County departments, partner agencies, and jurisdictions complete internal checklists.
9.	County departments, partner agencies, and jurisdictions begin response activities (may include response on State, City, and County level) for duration of event.
10.	County departments, partner agencies, and jurisdictions suspend response activities
11.	County Departments, partner agencies, and jurisdictions conduct internal hot washes as necessary.

21. ROLES AND RESPONSIBILITIES BY DEPARTMENT

DEPARTMENT	RESPONSIBILITIES
OFFICE OF EMERGENCY MGMT	<ul style="list-style-type: none"> • Coordination between Cities and the County • Support and coordinate public information messaging
DEPARTMENT OF PUBLIC HEALTH	<ul style="list-style-type: none"> • Monitor weather conditions. • Issue Extreme Temperature Notifications. • Provide support to established centers. • Provide facility inspection support • Utilize available partners to disseminate extreme temperature messages. • Provide consultation to Departments and Operational Area partners • In Level 4, proclaim a local health emergency.
PARKS AND RECREATION	<ul style="list-style-type: none"> • Facilities that meet specifications shall serve as Cooling Centers during an Extreme Heat Notification
DEPARTMENT OF WORKFORCE DEVELOPMENT, AGING, AND COMMUNITY SERVICES	<ul style="list-style-type: none"> • Identify vulnerable populations & determine needs • Establish a single point of contact for City, County and State inquiries • Update list of extreme temperature centers on website • Provide list of extreme temperature centers to L. A. County Info Line (211), DPH Media Account and CEO Countywide Communications • Activate extreme temperature program as directed by OEM • Monitor center activity and include information on OARRS reports as needed
DEPARTMENT OF PUBLIC SOCIAL SERVICES	<ul style="list-style-type: none"> • Monitor weather conditions. • Send weather notifications to DPSS staff, support departments, and non-profits (ENLA, American Red Cross, Salvation Army, etc.). • Provide support to staff at established centers or extreme temperature centers. • Coordinate resource requests (blankets, food, water, generators, etc.) for centers. • Activate In-Home Supportive Services (IHSS) At-Risk-Notification Plan to check on the well-being of at-risk IHSS recipients in impacted areas. • Monitor news for interruptions in electricity. Contact So Cal Edison and Dpt. of Water to determine outage area.
DEPARTMENT OF ANIMAL CONTROL AND CARE	<ul style="list-style-type: none"> • Ensure pet and animal needs are being addressed at extreme temperature centers

22. ROLES AND RESPONSIBILITIES OF THE CITIES

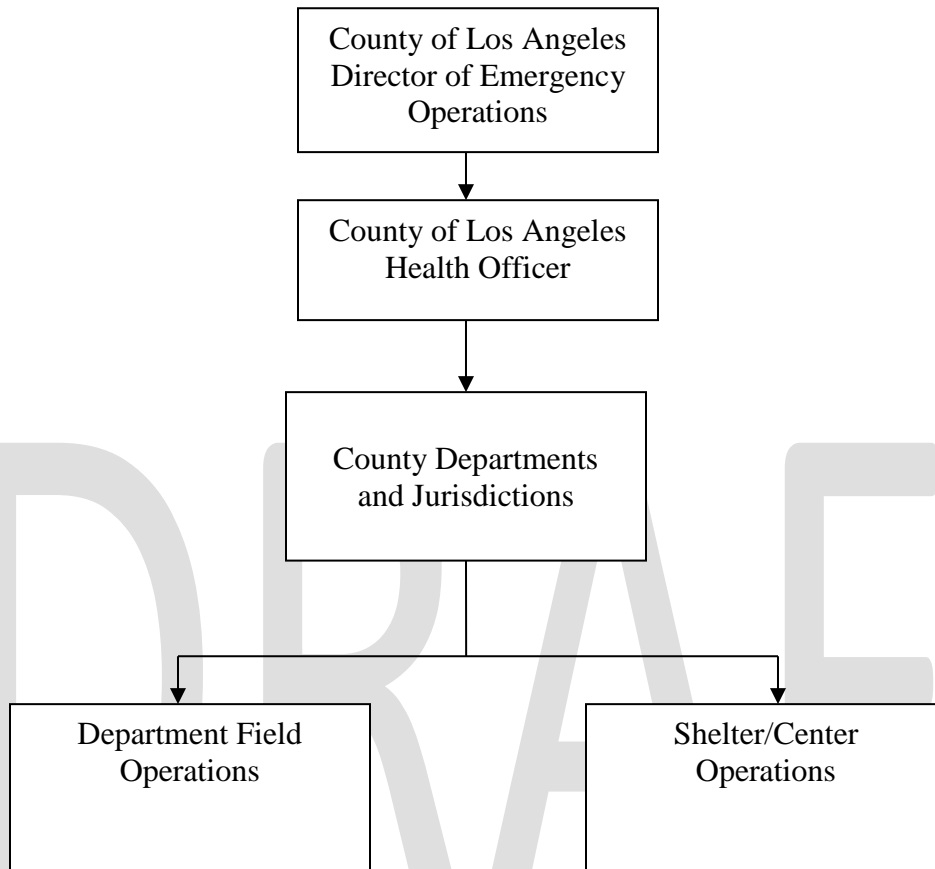
APPLICABLE TO ALL CITIES	RESPONSIBILITIES
	<ul style="list-style-type: none">• Coordinate the opening or closing of extreme temperature related centers with Operational Area.• Coordinate requests for center support within the Operational Area.• Make OARRS reports• Participate in Task Force calls

23. BACK-UP PLAN FOR INOPERABLE EXTREME TEMPARATURE CENTERS

- 23.1 If Center staff is present, individuals accessing cooling services will be referred to the next closest available Center.
- 23.2 If Center staff is not present, a sign will be posted in a visible place that refers individuals to the nearest Center on the list.
- 23.3 The sign will also direct individuals to contact LAC 211, LA City 311 or the local jurisdictions contact number if assistance is needed with transportation.
- 23.4 The Center will notify LAC 211 prior to closing so LAC 211 can redirect individuals calling for information.
- 23.5 The Center will notify the WDACS Cooling Center Coordinator if they are unable to order, so that information can be entered into OARRS.

24. REPORTING AND COMMUNICATION

The following diagram details the reporting structure in place during extreme temperature events:



25. REPORTING

During extreme temperature emergency activations, the following information will be readily available to the State and requesting partners:

REPORT NAME	INFORMATION CONTAINED
<ul style="list-style-type: none">Weather Related Medical Emergencies	<ul style="list-style-type: none">Number of residents affected by the emergency
<ul style="list-style-type: none">Weather Related Deaths	<ul style="list-style-type: none">Number of residents whose death can be attributed to the prevailing weather conditions
<ul style="list-style-type: none">Centers and Support Operations	<ul style="list-style-type: none">Number and location of centers, extreme temperature centers, and weather related support operations.

26. COMMUNICATION METHODS

The following communication methods will be made readily available during weather incidents and will be used for reporting:

Communication Type	Managed or Provided To	Coordinated Via
Radio	Extreme Weather Task Force	OEM
Telephone	Extreme Weather Task Force	OEM
Cellular Telephone	Extreme Weather Task Force	OEM
OARRS	ALL DEPARTMENTS	OEM

27. AFTER ACTION REPORTS

- 27.1 The purpose of after action reporting is to provide a mechanism where gaps and operational issues can be captured and documented. They can then be improved on as part of an ongoing improvement effort.
- 27.2 OEM is responsible for compiling and developing the After Action Report.
- 27.3 Individuals assigned to the event will assist in the effort by providing input and attending debriefing sessions.
- 27.4 All After Action Reports are due within 30 days of the end of the event.

Appendices

DRAFT



Appendix A National Weather Service Heat Index Chart



Temperature (°F)

	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110
40	80	81	83	85	88	91	94	97	101	105	109	114	119	124	130	136
45	80	82	84	87	89	93	96	100	104	109	114	119	124	130	137	
50	81	83	85	88	91	95	99	103	108	113	118	124	131	137		
55	81	84	86	89	93	97	101	106	112	117	124	130	137			
60	82	84	88	91	95	100	105	110	116	123	129	137				
65	82	85	89	93	98	103	108	114	121	128	136					
70	83	86	90	95	100	105	112	119	126	134						
75	84	88	92	97	103	109	116	124	132							
80	84	89	94	100	106	113	121	129								
85	85	90	96	102	110	117	126	135								
90	86	91	98	105	113	122	131									
95	86	93	100	108	117	127										
100	87	95	103	112	121	132										

Relative Humidity (%)

Likelihood of Heat Disorders with Prolonged Exposure and/or Strenuous Activity

 Caution
 Extreme Caution
 Danger
 Extreme Danger



Wind Chill Chart



		Temperature (°F)																		
		Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
Wind (mph)	5	36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40	-46	-52	-57	-63	
	10	34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47	-53	-59	-66	-72	
	15	32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45	-51	-58	-64	-71	-77	
	20	30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48	-55	-61	-68	-74	-81	
	25	29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51	-58	-64	-71	-78	-84	
	30	28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53	-60	-67	-73	-80	-87	
	35	28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55	-62	-69	-76	-82	-89	
	40	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71	-78	-84	-91	
	45	26	19	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79	-86	-93	
	50	26	19	12	4	-3	-10	-17	-24	-31	-38	-45	-52	-60	-67	-74	-81	-88	-95	
	55	25	18	11	4	-3	-11	-18	-25	-32	-39	-46	-54	-61	-68	-75	-82	-89	-97	
	60	25	17	10	3	-4	-11	-19	-26	-33	-40	-48	-55	-62	-69	-76	-84	-91	-98	

Frostbite Times

30 minutes

10 minutes

5 minutes

Wind Chill (°F) = 35.74 + 0.6215T - 35.75(V^{0.16}) + 0.4275T(V^{0.16})

Where, T= Air Temperature (°F) V= Wind Speed (mph)

Effective 11/01/01

Appendix B
CHECKLISTS FOR EXTREME TEMPERATURE OA COORDINATION
CONFERENCE CALL

Item	Description	Completed	
		Yes	No
1.	Conduct Roll Call of Participating County departments, local agencies and jurisdictions <ul style="list-style-type: none"> ○ Establish contact names 		
2.	Was an Extreme Temperature Notification issued?		
3.	How long will the Extreme Temperature Notification be in effect?		
4.	Utilize roll call sheet and ask the following questions:		
4a.	Will you establish cooling/warming centers?		
	How many?		
	Are accommodations being made for the disabled? (ADA compliance issues.)		
	Where will list of cooling/ warming centers be posted?		
	Who will be your Agency's Public Information Officer? (Request contact info.)	Name: _____ Work Ph: _____ Cell Ph: _____	
	Support needed?		
	How long will you operate?		
	Concerns?		
5.	STATEMENT: County Departments are directed to utilize OARRS to report changes in status of shelter operations. All other response partners are encouraged to utilize OARRS as both a source of information and a reporting tool.		
6.	This concludes the EXTREME TEMPERATURE NOTIFICATION CONFERENCE CALL		

CHECKLISTS FOR INITIAL EXTREME TEMPERATURE NOTIFICATIONS (cont.)

AGENCY NAME		
Will you establish extreme temperature centers?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
How many extreme temperature centers?		
Are accommodations being made for the disabled? (ADA Compliance issues.)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Where will list of cooling/warming centers be posted?		
Agency's Public Information Officer (PIO) will be? PIO Name _____		
CONTACT INFORMATION? W phone: _____ Cell _____		
Support needed?		
How long will you operate?		
Concerns?		

Utilize this sheet during the conference roll call. Responding agencies will file one copy of their own report and fax a copy to the Office of Emergency Management at conclusion of event. If required, these sheets will be utilized to develop After Action Reports.

Appendix C

SAMPLE DPH PRESS RELEASE (used for response levels 2-3)

*This sample is provided for reference only. The language may change based on the situation or the message to be delivered at the time. *

For Immediate Release:

For more information,

TITLE:

Health Alert: Triple Digit Temperatures Could Cause Health Problems

TEXT BODY:

LOS ANGELES COUNTY - The County Health Officer is issuing a Public Health Alert due to the National Weather Service's forecast that hot weather will affect much of southwestern California today and into the weekend. Temperatures are expected to reach above 104 degrees in the desert, mountain, and valley areas of Los Angeles County.

"While people don't need to be told it's hot outside, they do need to be reminded how to take care of themselves, children, the elderly, and their pets when the weather gets this hot," said Jonathan Fielding, M.D., M.P.H., Director of Public Health and Health Officer. "When the temperature is this high, prolonged sun exposure may cause dehydration, heat cramps, heat exhaustion, and heat stroke. Also, never leave children, elderly people, or pets unattended in closed vehicles, since temperatures can quickly rise to life-threatening levels."

If you plan to be outdoors, please take precautions to protect yourself from the heat. Symptoms of dehydration and heat cramps include dizziness, fatigue, faintness, headaches, muscle cramps, and increased thirst. Individuals with these symptoms should be removed to a cooler, shaded place and given water or sport drinks. More severe symptoms such as diminished judgment, disorientation, pale and clammy skin, a rapid and weak pulse, and/or fast and shallow breathing may indicate heat exhaustion or impending heat stroke and require immediate medical attention.

The County of Los Angeles has several cooling centers available for seniors or those looking for a place to beat the heat. A list of these centers can be found at <http://www.ladcss.org/>.

Health Department officials recommend several ways to manage the heat:

- Wear light, loose-fitting clothing.
- Drink water often, don't wait until you are thirsty, and avoid drinking alcohol.
- Offer help to those in your neighborhood with limited access to air conditioning and transportation, such as seniors or those who are ill. Check on them frequently or take them to a cooling center.
- During peak heat hours stay in an air-conditioned area. If you don't have access to air conditioning in your home, visit public facilities such as cooling centers, shopping malls, parks, and libraries to stay cool.

- Avoid unnecessary exertion, such as vigorous exercise, if you are outside or in a non-air conditioned building.
- Stay out of the sun if you don't need to be in it. When in the sun, wear a hat, preferably with a wide brim.

The Department of Public Health is committed to protecting and improving the health of the nearly 10 million residents of Los Angeles County. Through a variety of programs, community partnerships and services, Public Health oversees environmental health, disease control, and community and family health. Public Health comprises more than 4,000 employees and an annual budget exceeding \$750 million. To learn more about Public Health and the work we do, please visit <http://www.lapublichealth.org>.

APPLICABLE PERIOD:

This alert is applicable from 7:00 am August 15, 2007 until 4:00 pm August 19, 2007.

#



PRESS RELEASE FOR IMMEDIATE RELEASE

Media Contact(s):

Los Angeles County Office of Emergency Management
Helen Chavez, (213) 458-6351
communications@ceoom.lacounty.gov

Los Angeles County Department of Public Health
Public Health Communications, (213) 240-8144
media@ph.lacounty.gov

COOLING CENTERS OPEN ACROSS LOS ANGELES COUNTY DURING HEAT ALERT

LOS ANGELES (Fri., Jul. 12, 2019) – Temperatures in parts of Los Angeles County are expected to rise into the 90s and over 100 degrees throughout the weekend. Various public facilities located throughout Los Angeles County will be open and available for use as cooling centers to provide the public relief from the heat.

Residents who do not have access to air conditioning are encouraged to take advantage of these free cooling centers. To view a map and list of Cooling Centers, visit www.lacounty.gov/heat (English) or www.lacounty.gov/calor (Spanish). More information is also available by dialing 2-1-1 for LA County resources or 3-1-1 for City of Los Angeles resources. The County's Department of Public Health and Office of Emergency Management remind residents to take the following extra precautions during this heat wave:

- **Avoid the sun** – stay indoors from 10 a.m. to 3 p.m. when the burning rays are typically strongest.
- **Drink plenty of fluids** – 2 to 4 glasses of water every hour during times of extreme heat. Avoid alcohol.
- **Never leave children or pets alone in cars** – hot cars can be deadly even if the window is cracked. Call 9-1-1 if you see a pet or a child in a car alone.
- **Replace salt and minerals** – sweating removes salt and minerals from your body, so replenish these nutrients with low sugar fruit juices or sports drinks during exercise or when working outside.
- **Pace yourself** - reduce physical activity and avoid exercising outdoors during peak heat hours.
- **Wear appropriate clothing** - wear a wide-brimmed hat and light-colored lightweight, loose-fitting clothes when you are outdoors.
- **Stay cool indoors during peak hours**- set your air conditioner between 75° to 80°. If you don't have air conditioning, take a cool shower twice a day and visit a public air-conditioned facility. Find a local cooling center at lacounty.gov/heat.

(More)

COOLING CENTERS OPEN ACROSS LOS ANGELES COUNTY DURING HEAT ALERT

- **Monitor those at high risk** - check on elderly neighbors, family and friends who do not have air conditioning. Infants and children up to 4 years old, people who overexert during work or exercise (e.g. construction workers) and people 65 years and older are at the highest risk of heat-related illnesses.
- **Use sun screen** with a sun protection factor of at least 15 if you need to be in the sun.
- **Keep pets indoors** – heat also affects your pets. Keep them indoors, or if they will be outside, make sure they have plenty of water and a shaded area to help them keep cool.

For more information on heat-related illnesses and prevention, please visit the Los Angeles County Department of Public Health's website at www.publichealth.lacounty.gov.

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Media Accessibility for People with Disabilities, and others with Access and Functional Needs

Federal Communication Commission rules under Section 255 of the Communications Act require telecommunications service providers to make their products and services accessible to people with disabilities, if such access is readily achievable. Where access is not readily achievable, service providers must make their devices and services compatible with peripheral devices and specialized customer premises equipment that are commonly used by people with disabilities, if such compatibility is readily achievable.



COMUNICADO DE PRENSA PARA PUBLICACIÓN INMEDIATA

Contactos:

Oficina de Manejo de Emergencia/Condado de Los Ángeles
Helen Chávez, (213) 458-6351
communications@ceooem.lacounty.gov

Departamento de Salud Pública/Condado de Los Ángeles
Comunicaciones de Salud Pública, (213) 240-8144
media@ph.lacounty.gov

CENTROS DE ENFRIAMIENTO ABREN EN EL CONDADO DE LOS ÁNGELES DURANTE ALERTA DE CALOR

LOS ÁNGELES (viernes, 12 de julio del 2019) – Se espera que las temperaturas en partes del Condado de Los Ángeles aumenten hasta los 90 y más de 100 grados durante el fin de semana. Varias instalaciones públicas ubicadas en todo el Condado de Los Ángeles estarán abiertas y disponibles para su uso como Centros de Enfriamiento para brindar al público alivio del calor.

Se recomienda a los residentes que no tienen acceso al aire acondicionado que aprovechen estos Centros de Enfriamiento gratuitos. Para ver un mapa y una lista de Centros de Enfriamiento, visite www.lacounty.gov/calor (español) o www.lacounty.gov/heat (inglés). También puede obtener más información para los recursos del Condado de Los Ángeles llamando al 2-1-1 o al 3-1-1 para los recursos de la Ciudad de Los Ángeles.

El Departamento de Salud Pública del Condado de Los Ángeles y la Oficina de Manejo de Emergencias les recuerdan a los residentes que tomen las siguientes precauciones durante esta ola de calor:

- **Evite el sol:** permanezca en el interior de 10 a.m. a 3 p.m. cuando los rayos de sol son más fuertes.
- **Beba muchos líquidos:** 2 a 4 vasos de agua cada hora durante los períodos de calor extremo. Evite el alcohol.
- **Nunca deje a niños o mascotas solos en vehículos:** vehículos calientes pueden ser mortales aunque deje los vidrios abiertos. Marque al 9-1-1 si ve a un niño o mascota solo en un vehículo.
- **Reemplace la sal y los minerales:** el sudor elimina la sal y los minerales de su cuerpo, así que reponga estos nutrientes con jugos de frutas con bajo contenido de azúcar, o bebidas deportivas durante el ejercicio o cuando trabaje afuera.
- **Prepárese:** reduzca la actividad física y evite hacer ejercicio al aire libre durante las horas más calurosas.
- **Use ropa adecuada:** use un sombrero de ala ancha y ropa ligera y holgada de color claro cuando esté al aire libre.

(Más)

CENTOS DE ENFRIAMIENTO ABREN EN EL CONDADO DE LOS ÁNGELES DURANTE ALERTA DE CALOR

- **Manténgase fresco en el interior durante las horas más calurosas:** configure su aire acondicionado entre 75 ° y 80 °. Si no tiene aire acondicionado, tome una ducha fría dos veces al día y visite una instalación pública con aire acondicionado. Encuentre un Centro de Enfriamiento local en lacounty.gov/calor.
- **Monitoree a las personas que corren alto riesgo:** verifique el bienestar de las personas mayores como vecinos, familiares y amigos que no tienen aire acondicionado. Los bebés y los niños de hasta 4 años, las personas que realizan un esfuerzo excesivo durante el trabajo (por ejemplo, los trabajadores de la construcción) y las personas de 65 años o más tienen el mayor riesgo de contraer enfermedades relacionadas con el calor.
- **Use protector solar** con un factor de protección solar de al menos 15 si necesita estar bajo el sol.
- **Mantenga a las mascotas en el interior:** el calor también afecta a sus mascotas. Manténgalas en el interior, o si van a estar afuera, asegúrese de que tengan suficiente agua y un área con sombra para ayudarlas a mantenerse frescas.

Para obtener más información sobre las enfermedades y la prevención relacionadas con el calor, visite el sitio web del Departamento de Salud Pública del Condado de Los Ángeles en www.publichealth.lacounty.gov.

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Appendix D



LOS ANGELES COUNTY Extreme Temperature Program

Helen Chavez, OEM
Mike Contreras, DPH
John Cvjetkovic, DPSS
Pat Mc Gee, Public Library
Anush Gambaryan, P & R
Ellie Wolfe, WDACS
Kathleen Newton, WDACS

TO: Los Angeles County Cooling Center Applicant

FROM: Los Angeles County Extreme Temperature Task Force
3175 West 6th Street, Los Angeles, CA 90020

SUBJECT: COOLING CENTER APPLICATION AND OPERATING PROCEDURES

Thank you for applying or choosing to continue participation in the Los Angeles Countywide Cooling Center Program. This program provides, through your facility, a place where constituents can go to get relief from extreme heat during the summer months when temperatures reach triple digits or air quality becomes dangerous.

The County of Los Angeles Health Officer, Department of Public Health (DPH) issues both Heat Advisories and Heat Alerts based on information provided by the Los Angeles Forecast Office of the National Weather Service.

HEAT ADVISORY: The Health Officer of DPH issues the "Heat Advisory". An Advisory serves as a **warning** about the heat and includes advice on how to stay safe during the hot weather, along with any precautions that should be taken, especially by those persons sensitive to the heat. Heat Advisories are broadcast to Cooling Centers and service providers who serve the general public in an effort to protect their well-being. These are advisories only and **do NOT** activate the Cooling Center Program.

HEAT ALERT: A Heat Alert is issued by the DPH Health Officer based on information provided by the Los Angeles Forecast Office of the National Weather Service, when temperatures are expected to reach 95 to 104 degrees for at least two consecutive days. **When a Heat Alert is issued, the Cooling Center Program will be activated** and each Cooling Center will be notified by email. Cooling Centers are not expected to stay open past normal operating hours for Heat Alerts. They are however expected to provide a place for the public to get away from the heat during normal business hours. Water needs to be provided, drinking fountains are acceptable.

HEAT EMERGENCY:

Activated when the Health Officer deems the Heat Index Temperature of 105° Fahrenheit and above is predicted for at least 3 consecutive days. Cooling Centers

may be requested to extend their normal business hours and perhaps to remain open on additional days to accommodate those in need of relief from the excessive heat.

BACK-UP FOR CENTERS WHEN AIR CONDITIONING IS NON-OPERATIONAL:

- When air conditioning becomes inoperable, individuals accessing cooling services will be referred to the closest available Cooling Center.
- Center or Cooling Center staff shall post a sign in a visible place that refers individuals to the nearest Cooling Center on the list. A voice mail notice must be put on the main phone lines that notifies constituents of the closure and nearest Cooling Center location.
- The sign will also notify individuals to contact LA County 211 or LA City 311 for Cooling Center locations and for transportation assistance.
- The Cooling Center will notify LA County 211 or City 311 prior to closing so LA County 211 or City 311 can redirect individuals calling for information.

The above information also applies to an Air Quality Advisory (warning) and an Air Quality Alert (Cooling Center activation).

To ensure consistency and quality in the provision of Cooling Center services, please read the following information:

- **Facility and Operational Requirements:** What is required to operate as a Cooling Center when a Heat or Air Quality Alert has activated the Cooling Center Program:
- **Cooling Center Application:** A request to be added to the Cooling Center List and participate in the Cooling Center Program that upon submission verifies your agency meets the facility requirements and will comply with the Operational Requirements of the Extreme Temperature Program.
- Please submit the completed forms to: Ellie Wolfe, WDACS Emergency Manager at ewolfe@wdacs.lacounty.gov and mail original to:

County of Los Angeles
Workforce Development, Aging and Community Services (WDACS)
3175 West Sixth Street, Room 100
Los Angeles, CA 90020

EXTREME TEMPERATURE PROGRAM - COOLING CENTER REQUIREMENTS.

Facility Requirements:

- Cooling Centers must be ADA compliant.
- Cooling Centers must provide seating in a cool, safe, air-conditioned room with accommodations to serve a minimum of 50 individuals.
- Cooling Centers must be easily accessible and located on or near a major street with access to public transit lines.
- Cooling Centers must provide clean restrooms located within or directly adjacent to the facility.

Operational Requirements:

- Cooling Center activation will occur upon notification of a Heat Alert issued by LAC DPH and will continue, during the Center's normal operating hours, for the duration of the Heat Alert.
- During Alerts Cooling Centers are not mandated to provide extended hours or provision of service on weekends. This is at the discretion of the Center Management, there is no reimbursements for extended hours.
- During "**Emergency**" Alerts – Centers in affected areas are requested to extend their hours if deemed necessary by the Los Angeles County Health Officer. Unless there is approval from the Los Angeles County Board of Supervisor these are non-reimbursable expenses.
- Cooling Centers must accept all referrals and/or walk-ins regardless of residence or age until the cooling center reaches maximum capacity.
- Cooling Centers must provide drinking water to all individuals seeking refuge from the heat. (Bottled water is not mandatory if a drinking fountain is available.)
- No fees can be charged for use of the center or provision of water.

Back-up Plan for an Inoperative Cooling Center:

As a designated Cooling Center for Los Angeles County, if your air-conditioner becomes inoperable during a Heat Alert issued by DPH, you are required to refer your customers to the nearest designated Cooling Center that has room to accommodate them. Because the Cooling Center List changes often, it is advisable to go to the WDACS WEB site at wdacs.lacounty.gov (click on the "Cooling Center" hyperlink for the current list of locations when choosing an alternate site.

Before referring clients to the nearest Cooling Center, call ahead to ensure they can accommodate the number of clients that traditionally access cooling services at your center. If they cannot accommodate added clients, you need to identify the nearest cooling center that can or, you should identify a nearby air-conditioned facility that is open to the public at no cost, such as a library, park or shopping mall that can provide temporary relief from the heat and refer your clients there until you are operational again.

You must post a **clearly visible** sign on your main entrance that refers clients to the identified alternate Cooling facility for cooling services.

Keeping the Cooling Center Information UP-TO-DATE:

If your agency/center changes hours and/or days of available service you must notify Ellie Wolfe as soon as possible at ewolfe@wdacs.lacounty.gov. This will allow us to update the Cooling Center list prior to the next publishing.

If your agency/center closes, moves or changes names you must notify Ellie Wolfe as soon as possible at ewolfe@wdacs.lacounty.gov. This will allow us to update the Cooling Center list prior to the next publishing.

Changes in any contact information must be kept up to date, changes should be sent to Ellie Wolfe as soon as possible at ewolfe@wdacs.lacounty.gov.

Temporary changes for Emergency Heat Alerts will be published on an Emergency Alert Cooling Center List, once the Emergency Heat Alert is over the list will be pulled and the standard list with normal operating hours will replace the **Emergency Heat Alert listing** on WDACS, Public Health, OEM, DPSS and County WEB Sites. Any center/agencies extending hours must send the temporary operating hours to ewolfe@wdacs.lacounty.gov within two hours of the Emergency Alert.

Attendance Reporting: The Attendance Reporting Form is included with this package. It is to be filled out on a weekly basis when a Heat Alert has been issued. Submission is the Monday following the week reported to Ellie Wolfe at ewolfe@wdacs.lacounty.gov.



Los Angeles County Extreme Temperature

Cooling Center Application

This application is to be completed by authorized director or management on behalf of your organization. Submit a completed copy of this application to the following email addresses: Ellie Wolfe, Program Manager at 3175 West Sixth Street, Room 100, Los Angeles, CA 90020 or by email ewolfe@wdacs.lacounty.gov

Submission of this Cooling Center application on behalf of your organization is an agreement that your agency meets and complies with the Cooling Center facility and operational requirements listed on the previous pages of this document.

Agency Name:	
Address:	

Director or Manager: Please Print Clearly		
	First Name	Last Name
	Email:	
Contact Numbers:		
	Office Phone	Cell Phone
Alternate Facility Contact:		
	First Name	Last Name
	Email:	
Contact Numbers:		
	Office Phone	Cell Phone
Public Phone Number for directory, These will be published.		
	1 st point of contact	Alternate if applicable
Hours of Operation		
Sunday:	Monday:	Tuesday:
Wednesday:	Thursday:	Friday:
Saturday:		
Other considerations or instructions:		

Extreme Temperature Application, Page 2 of 2

Agency Name: _____

Date: _____

If a Heat Emergency is declared will your agency be able to provide extended hours for cooling services outside of your normal hours of operation?	YES <input type="checkbox"/>	No <input type="checkbox"/>
If yes, would this include extended hours for weekends?	YES <input type="checkbox"/>	No <input type="checkbox"/>
Does your Cooling Center have a generator?	YES <input type="checkbox"/>	No <input type="checkbox"/>
Does your facility have a contingency plan if there is a brown-out or black-out?	YES <input type="checkbox"/>	No <input type="checkbox"/>
I accept the terms of this agreement		

Please return completed form to Ellie Wolfe at ewolfe@wdacs.lacounty.gov.

If you have any questions or concerns you can reach me by phone at 213 738-2681 or the above referenced email address.

EXTREME TEMPERATURE COOLING CENTER ATTENDANCE REPORT WEEKLY CENTER ACTIVITY

Date of Submittal:	
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CENTER NAME:			
REPORT PREPARED BY:		PHONE:	
CENTER DIRECTOR:		WEEK ENDING:	

Instructions: The date(s) listed below should contain days when a Heat Alert has been issued. If no heat alert has been issued the line should be blank. The Week Ending Date should be on Sunday for the week you are reporting. Total Attendance is the total number of individuals who visited the Center on the date of the Heat Alert. If you have more than one Center participating in this program, please submit a separate form for each facility. If you have any questions or need additional information regarding this form, please email Kathy Newton at knewton@wdacs.lacounty.gov. When submitting this form for program purposes, send to Ellie Wolfe at: ewolfe@wdacs.lacounty.gov no later than Monday of the following week. If no Heat Alert(s) were issued during this week do not submit this form.

DAY	DATE	HEAT ALERT (v)	COMMENTS	TOTAL ATTENDANCE
MONDAY				
TUESDAY				
WEDNESDAY				
THURSDAY				
FRIDAY				
SATURDAY				
SUNDAY				